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Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources
Geological Division
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NATIONAL GEOCHEMICAL RECONNAISSANCE
1:250 000 MAP SERIES

A Selected Bibliography

THE BRITISH COLUMBIA REGIONAL GEOCHEMICAL SURVEY:

AN OVERVIEW AND EVALUATION

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The Regional Geochemical Survey (RGS) conducted by the British Columbia Ministry of Energy, Mines and Petroleum Resources is a continuation of a joint federal/provincial geochemical reconnaissance program called the Uranium Reconnaissance Program (URP) initiated in 1976 and continued through 1977 and 1978. During the joint program, eight 1:250,000 map sheet sections of the Province (82E, F, K, L and M and 104P, O and N) were sampled for stream waters and stream sediments with an average sampling density of one sample per 12.5 square kilometers. The water samples were analysed for U, F and pH and the stream sediments for Cu, Pb, Zn, Ag, Mo, Mn, Fe, Ni, Co and U. Samples were also analysed for Sn and W in 82F and K and in 104N, for W in 104O and P and for Hg in 82F, K and M and 104N. In the last year of the joint program (1978), the provincial government ran a parallel program as part of the Accelerated Mineral Development Program in map sheets 103I and P and part of 103J and O. In subsequent years the Ministry has extended the survey into 92O and P in 1979 and 93A and B in 1980. This year 92I, J and H were sampled. All programs were based on the specifications designed for the joint federal/provincial URP on the basis of preliminary orientation studies. The sediments for the 1978 and 1979 RGS programs were analysed for Hg, W and As as well as those elements previously listed and Sb was added to the 1980 program.

The data is released generally in the Spring of the year following the sample collection and is available as sample location maps with accompanying data packages for each map sheet or as digital information on computer tapes compatible with a wide range of main frame installations.

A significant portion of the Province has now been covered by this program and some conclusions can be drawn. A statistical evaluation of the data from the duplication in field sampling and subsampling shows that the sampling and analytical specifications result in a good quality of sample and data. The data has been shown to be a useful exploration tool with several new mineral occurrences being found based on anomalies identified by this data.

The quality control built into the program from the sampling program through the analytical stage to the release of data has resulted in a high quality product useful not only for exploration work but also for identifying the level of reliability of the data, for use in regional metallogenic studies and as a data base for land use decisions, future environmental studies and geological interpretations and projections.

CANADA-BRITISH COLUMBIA URANIUM RECONNAISSANCE PROGRAM
(1:250,000 Scale Releases)

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NOTE:

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Copies of these files are available for inspection at all libraries of the Geological Survey of Canada; at the local District Geologist's Office, Geological Division, British Columbia Ministry of Energy, Mines and Petroleum Resources; at the library of the British Columbia Ministry of Energy, Mines and Petroleum Resources, Geological Division, Mineral Resources Branch, Parliament Buildings, Victoria, British Columbia.

The data are also available in digital form, at the user's expense, from the Province of British Columbia Ministry of Energy, Mines and Petroleum Resources, Geological Division, Mineral Resources Branch, Parliament Buildings, Victoria, British Columbia (V8V 1X4); the Director, Computer Science Center, Department of Energy, Mines and Resources, Ottawa, Ontario (K1A OE8).

BRITISH COLUMBIA MINISTRY OF ENERGY, MINES AND PERTOLEUM
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BRITISH COLUMBIA MINISTRY OF ENERGY, MINES AND PETROLEUM
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..or..

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NOTE:

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Copies of these files are available for inspection at all Geological Survey of Canada libraries; at the local District Geologist's Office, Geological Division, British Columbia Ministry of Energy, Mines and Petroleum Resources; at the library of the British Columbia Ministry of Energy, Mines and Petroleum Resources, Geological Division, Mineral Resources Branch, Parliament Buildings, Victoria, British Columbia.

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NATIONAL GEOCHEMICAL RECONNAISSANCE
1:2,000,000 COLOURED COMPILATION MAP SERIES

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NOTE:

Copies of these Open Files may be obtained at the user's expense from Campbell Reproductions, 880 Wellington Street, Ottawa, Ontario (K1R 6K7) or from the Province of British Columbia Ministry of Energy, Mines and Petroleum Resources, Geological Division, Mineral Resources Branch, Parliament Buildings, Victoria, British Columbia (V8V 1X4).

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Note I have 2 references for the above brief see Province of B.C. 1979. Please Remove one.

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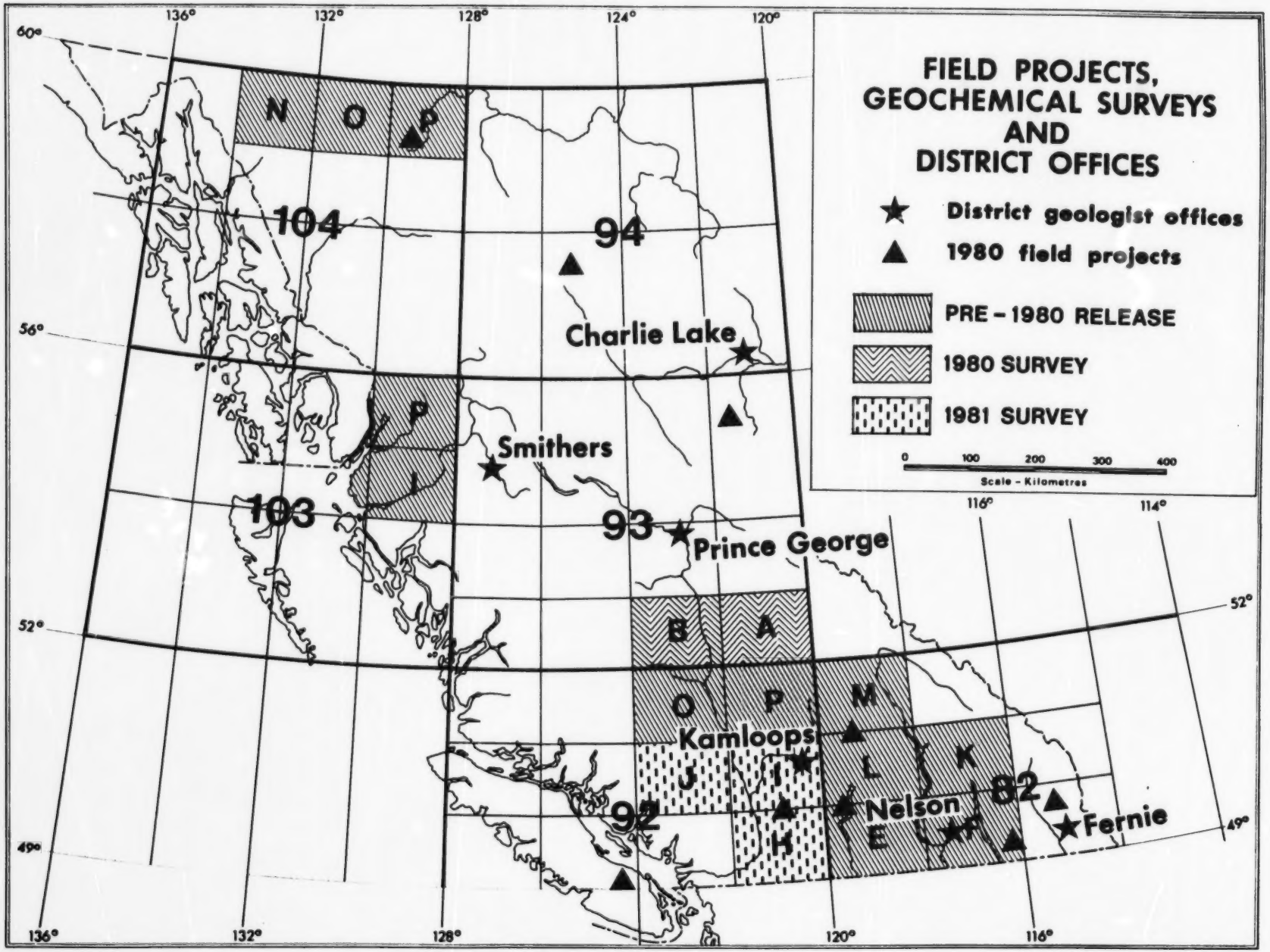
NATIONAL GEOCHEMICAL RECONNAISSANCE

	MAP SHEET	British Columbia Release & Geol. Surv. Can. Open File	STREAM SEDIMENT ROUTINE ELEMENT SUITE (Zn,Cu,Pb,Ni,Co,Ag,Mn,Fe,Mo,U)	STREAM SEDIMENT ADDITIONAL ELEMENTS Hg	W	Sn	As	Sb	STREAM WATER ANALYSIS U	F	pH
CANADA - BRITISH COLUMBIA URANIUM RECONNAISSANCE PROGRAM	82 E	82 E NGR 5-1976 OF 409	■						■	■	■
	82 L	82 L NGR 6-1976 OF 410	■						■	■	■
	82 M	82 M NGR 7-1976 OF 411	■						■	■	■
	82 M	82 M NGR 27-1977 OF 516	■	■					■	■	■
	82 F	82 F NGR 25-1977 OF 514	■	■	●	●			■	■	■
	82 K	82 K NGR 26-1977 OF 515	■	■	●	●			■	■	■
	104 N	104 N NGR 28-1977 OF 517	■	■	■	●			■	■	■
	104 O	104 O NGR 41-1978 OF 561	■		■				●	■	■
	104 P	104 P NGR 42-1978 OF 562	■		■				●	■	■
ACCELERATED MINERAL DEVELEPMENT PROGRAM	103 P-O	BC R.G.S. 1 OF 772	■	■	■				■	■	■
	103 I-J	BC R.G.S. 2 OF 773	■	■	■				■	■	■
BRITISH COLUMBIA MINISTRY of ENERGY MINES and PETROLEUM RESOURCES	92 O	BC R.G.S. 3 OF 774	■	■	■		■		■	■	■
	92 P	BC R.G.S. 4 OF 775	■	■	■		■		■	■	■
	93 A	BC R.G.S. 5 OF 776	■	■	■		■	■	■	■	■
	93 B	BC R.G.S. 6 OF 777	■	■	■		■	■	■	■	■
REGIONAL GEOCHEMICAL SURVEYS	92 I	TO BE	■	■	■		■	■	■	■	■
	92 J	RELEASED	■	■	■		■	■	■	■	■
	92 H	SPRING 1982	■	■	■		■	■	■	■	■

NOTE: Open File 517&561 also Contain LAKE SEDIMENT Data (Zn,Cu,Pb,Ni,Co,Ag,Mn,Fe,Mo,W,U,LOI,Hg in OF 517) and LAKE WATER Data (U,F,pH)

■ Indicates Elements Included in the ORIGINAL Release or Open File

● Indicates Elements Added to the REVISED Release or Open File


FIELD PROJECTS,
GEOCHEMICAL SURVEYS
AND
DISTRICT OFFICES
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Scale - Kilometres
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